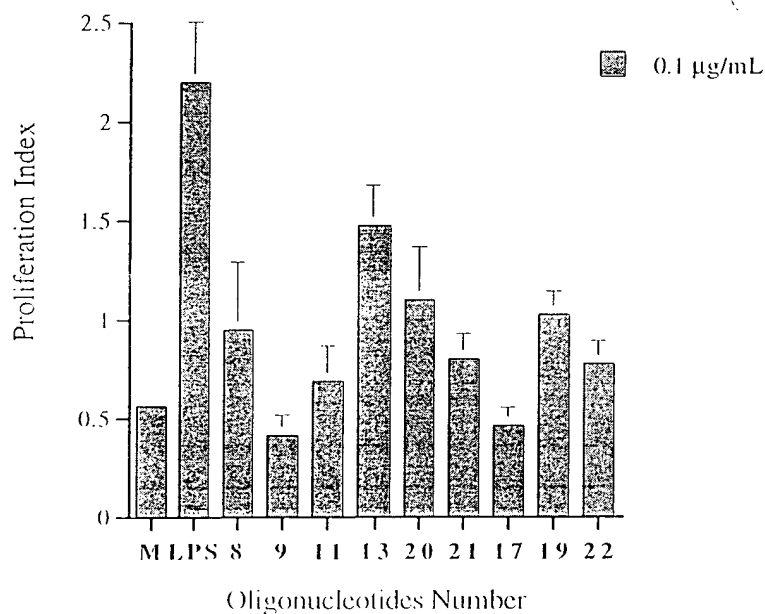
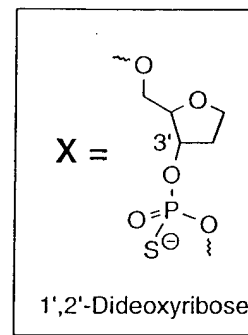


Figure 1 Oligodeoxynucleotides Phosphorothioate and Site of Modification

| Oligo No. | Sequence & Modification |
|-----------|--|
| 8 | 5'-CCTACTAGCGTTCTCATC-3' (133-1) |
| 9 | 5'-CCTACTAGCXTTCTCATC-3' (139-2) |
| 10 | 5'-CCTACTAXCGTTCTCATC-3' (133-2) |
| 11 | 5'-CCTACTXGCGTTCTCATC-3' (139-3) |
| 12 | 5'-CCTACXAGCGTTCTCATC-3' (133-3) |
| 13 | 5'-CCTAXTAGCGTTCTCATC-3' (139-4) |
| 14 | 5'-CCTXCTAGCGTTCTCATC-3' (133-4) |
| 15 | 5'-CCTXCTAGC <u>CC</u> TTCTCATC-3' (145-10a) |
| 16 | 5'-CCTACTAGCGXTCTCATC-3' (133-5) |
| 17 | 5'-CCTACTAGCGTXCTCATC-3' (139-7) |
| 18 | 5'-CCTACTAGCGTTXTCATC-3' (133-6) |
| 19 | 5'-CCTACTAGCGTTCXCATC-3' (139-8) |
| 20 | 5'-CCTXXTAGCGTTCTCATC-3' (133-12) |
| 21 | 5'- XX TACTAGCGTTCTCATC-3' (139-6) |
| 22 | 5'-CCTACTAGCGTTC XX ATC-3' (139-9) |
| 23 | 5'-CCTXCTXGCGTTCTCATC-3' (145-10b) |



T0320-9T9660

Figure 2 Oligodeoxynucleotides Phosphorothioate and Site of Modification

| Oligo No. | Sequence & Modification |
|-----------|------------------------------------|
| 8 | 5'-CCTACTAGCGTTCTCATC-3' (133-1) |
| 9 | 5'-CCTACTAGCXTTCICATC-3' (139-2) |
| 10 | 5'-CCTACTAXCGTTCTCATC-3' (133-2) |
| 11 | 5'-CCTACTXGCGTTCTCATC-3' (139-3) |
| 12 | 5'-CCTACXAGCGTTCTCATC-3' (133-3) |
| 13 | 5'-CCTAXTAGCGTTCTCATC-3' (139-4) |
| 14 | 5'-CCTXCTAGCGTTCTCATC-3' (133-4) |
| 15 | 5'-CCTXCTAGCCTTCTCATC-3' (145-10a) |
| 16 | 5'-CCTACTAGCGXTCTCATC-3' (133-5) |
| 17 | 5'-CCTACTAGCGTXCTCATC-3' (139-7) |
| 18 | 5'-CCTACTAGCGTTXTCATC-3' (133-6) |
| 19 | 5'-CCTACTAGCGTTCXCATC-3' (139-8) |
| 20 | 5'-CCTXXTAGCGTTCTCATC-3' (133-12) |
| 21 | 5'-XXTACTAGCGTTCTCATC-3' (139-6) |
| 22 | 5'-CCTACTAGCGTTCXXATC-3' (139-9) |
| 23 | 5'-CCTXCTXGCGTTCTCATC-3' (145-10b) |

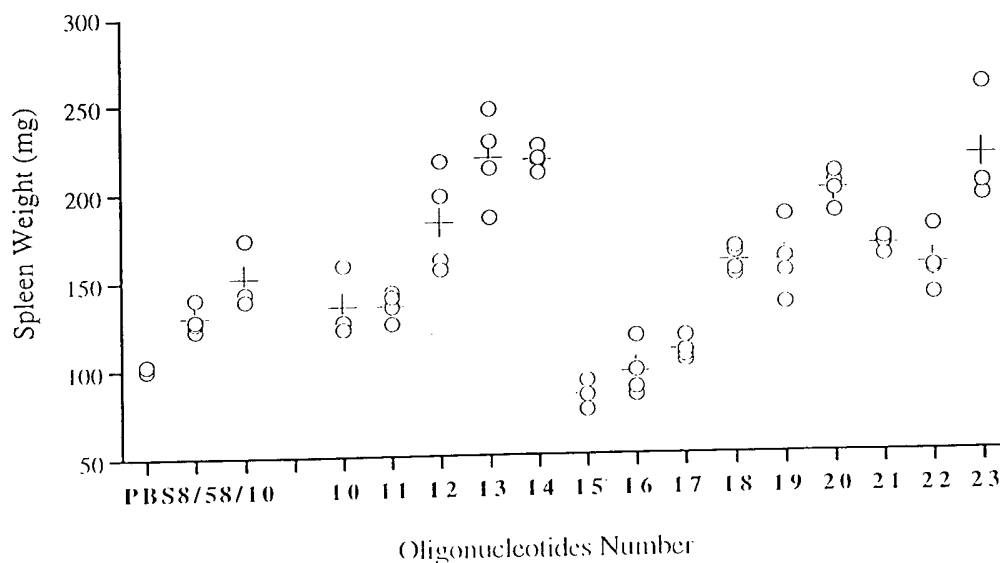
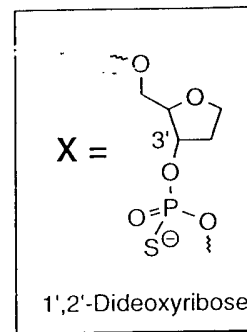
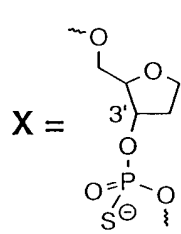


Figure 3 Oligodeoxynucleotides Phosphorothioate and Site of Modification

| Oligo No. | Sequence & Modification |
|-----------|---|
| 1 | 5'-CTATCTGAC <u>G</u> TTCTCTGT-3' (131-1) |
| 2 | 5'-CTATCTGAXGTTCTCTGT-3' (131-13) |
| 3 | 5'-CTATCTGXCGTTCTCTGT-3' (131-2) |
| 4 | 5'-CTATCXGACGTTCTCTGT-3' (131-3) |
| 5 | 5'-CTAXCTGACGTTCTCTGT-3' (131-4) |
| 6 | 5'-CTATCTGACGXTCTCTGT-3' (131-5) |
| 7 | 5'-CTATCTGACGTTXTCTGT-3' (131-6) |

X =



1',2'-Dideoxyribose

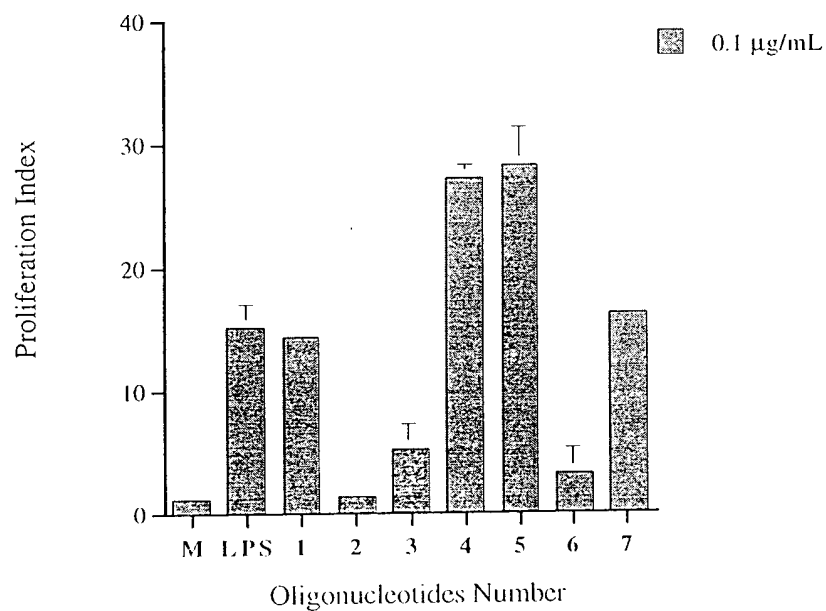
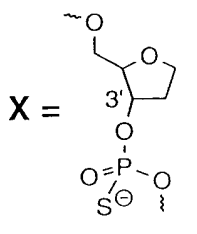


Figure 4 Oligodeoxynucleotides Phosphorothioate and Site of Modification

| Oligo No. | Sequence & Modification |
|-----------|---|
| 1 | 5'-CTATCTGAC <u>G</u> TTCTCTGT-3' (131-1) |
| 2 | 5'-CTATCTGAXGTTCTCTGT-3' (131-13) |
| 3 | 5'-CTATCTGXCGTTCTCTGT-3' (131-2) |
| 4 | 5'-CTATCXGACGTTCTCTGT-3' (131-3) |
| 5 | 5'-CTAXCTGACGTTCTCTGT-3' (131-4) |
| 6 | 5'-CTATCTGACGXTCTCTGT-3' (131-5) |
| 7 | 5'-CTATCTGACGTTXTCTGT-3' (131-6) |

X =



1',2'-Dideoxyribose

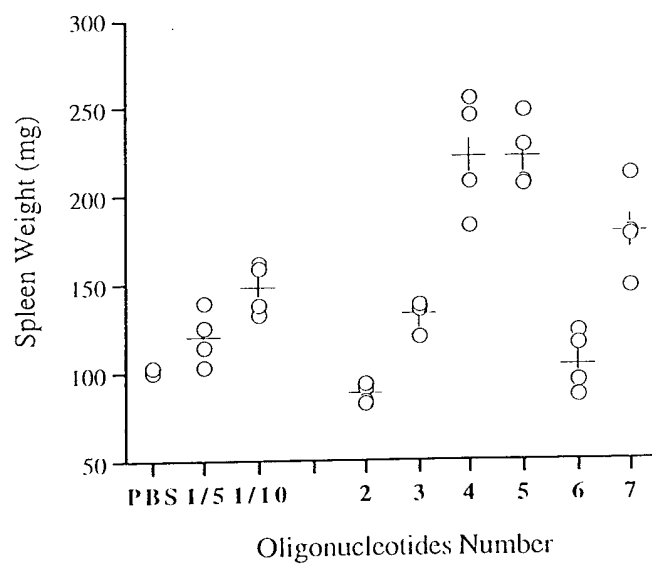


Figure 5 Oligodeoxynucleotide Phosphorothioates and Modification of Linkages

| Oligo No. | Sequence & Modification |
|-----------|--------------------------|
| 133-1 | 5'-CCTACTAGCGTTCTCATC-3' |
| 141-2 | 5'-CCTACTAGCXTTCTCATC-3' |
| 141-3 | 5'-CCTACTXGCGTTCTCATC-3' |
| 141-4 | 5'-CCTAXTAGCGTTCTCATC-3' |
| 141-5 | 5'-CCTXXTAGCGTTCTCATC-3' |
| 141-6 | 5'-XXTACTAGCGTTCTCATC-3' |
| 141-7 | 5'-CCTACTAGCGTXCTCATC-3' |
| 141-8 | 5'-CCTACTAGCGTTCXCATC-3' |
| 141-9 | 5'-CCTACTAGCGTTCXXATC-3' |
| 131-1 | 5'-CTATCTGACGTTCTCTGT-3' |
| 137-2 | 5'-CTATCTGXCGTTCTCTGT-3' |
| 137-3 | 5'-CTATCXGACGTTCTCTGT-3' |
| 137-4 | 5'-CTAXCTGACGTTCTCTGT-3' |

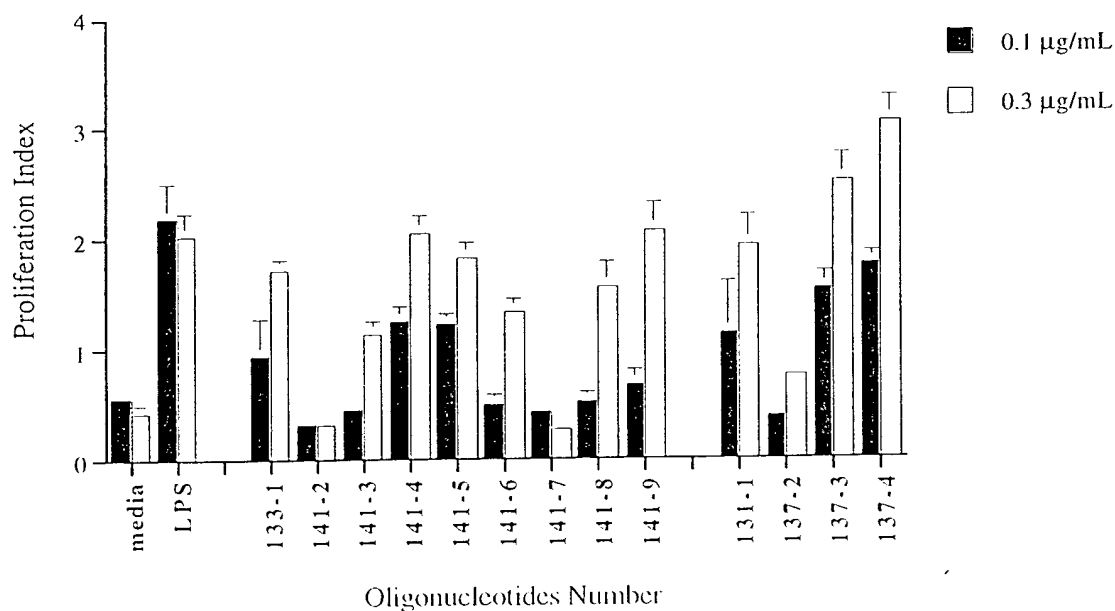
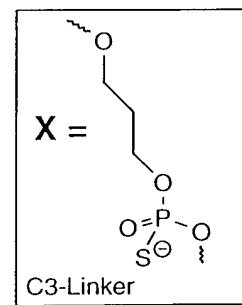


Figure 6 Oligodeoxynucleotide Phosphorothioates and Modification of Linkages

| Oligo No. | Sequence & Modification |
|-----------|--------------------------|
| 133-1 | 5'-CCTACTAGCGTTCTCATC-3' |
| 141-2 | 5'-CCTACTAGCXTTCTCATC-3' |
| 141-3 | 5'-CCTACTXGCGTTCTCATC-3' |
| 141-4 | 5'-CCTAXTAGCGTTCTCATC-3' |
| 141-5 | 5'-CCTXXTAGCGTTCTCATC-3' |
| 141-6 | 5'-XXTACTAGCGTTCTCATC-3' |
| 141-7 | 5'-CCTACTAGCGTXCTCATC-3' |
| 141-8 | 5'-CCTACTAGCGTTCXCATC-3' |
| 141-9 | 5'-CCTACTAGCGTTCXXATC-3' |
| 131-1 | 5'-CTATCTGACGTTCTCTGT-3' |
| 137-2 | 5'-CTATCTGXCGTTCTCTGT-3' |
| 137-3 | 5'-CTATCXGACGTTCTCTGT-3' |
| 137-4 | 5'-CTAXCTGACGTTCTCTGT-3' |

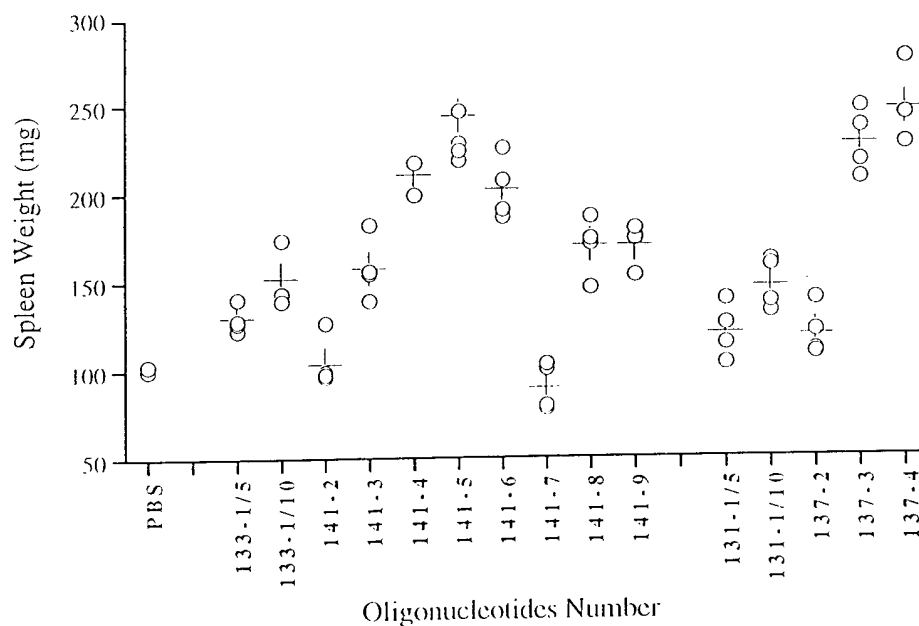
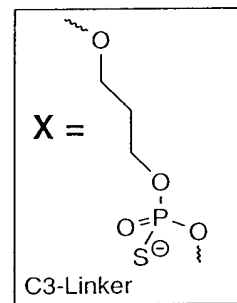


Figure 7 Oligodeoxynucleotides Phosphorothioate and Site of Modification

| Oligo No. | Sequence & Modification |
|-----------|---|
| 1 | 5'-CTATCTG <u>ACG</u> TTCTCTGT-3' (131-1) |
| 2 | 5'-CTAXCTGACGTTCTCTGT-3' (153-1) |
| 3 | 5'-CTATCTGACGTT <u>CX</u> CTGT-3' (153-2) |
| 4 | 5'-CTAYCTGACGTTCTCTGT-3' (153-3) |
| 5 | 5'-CTATCTGACGTT <u>CY</u> CTGT-3' (153-4) |
| 6 | 5'-CCTACTAGCGTTCTCATC-3' (133-1) |
| 7 | 5'-CCTXCTAGCGTTCTCATC-3' (155-1) |
| 8 | 5'-CCTACTAGCGTT <u>CX</u> CATC-3' (155-2) |
| 9 | 5'-CCTYCTAGCGTTCTCATC-3' (155-3) |
| 10 | 5'-CCTACTAGCGTT <u>CY</u> CATC-3' (155-4) |

X =

Spacer9

Y =

Spacer18

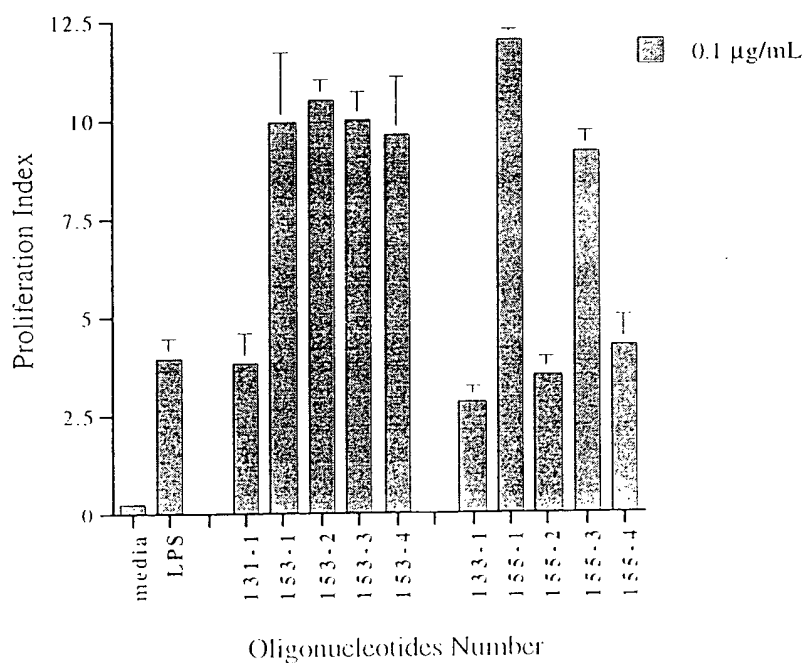


Figure 8 Oligodeoxynucleotides Phosphorothioate and Site of Modification

| Oligo No. | Sequence & Modification |
|-----------|----------------------------------|
| 1 | 5'-CTATCTGACGTTCTCTGT-3' (131-1) |
| 2 | 5'-CTAXCTGACGTTCTCTGT-3' (153-1) |
| 3 | 5'-CTATCTGACGTTCTCTGT-3' (153-2) |
| 4 | 5'-CTAYCTGACGTTCTCTGT-3' (153-3) |
| 5 | 5'-CTATCTGACGTTCTCTGT-3' (153-4) |
| 6 | 5'-CCTACTAGCGTTCTCATC-3' (133-1) |
| 7 | 5'-CCTXCTAGCGTTCTCATC-3' (155-1) |
| 8 | 5'-CCTACTAGCGTTCTCATC-3' (155-2) |
| 9 | 5'-CCTYCTAGCGTTCTCATC-3' (155-3) |
| 10 | 5'-CCTACTAGCGTTCTCATC-3' (155-4) |

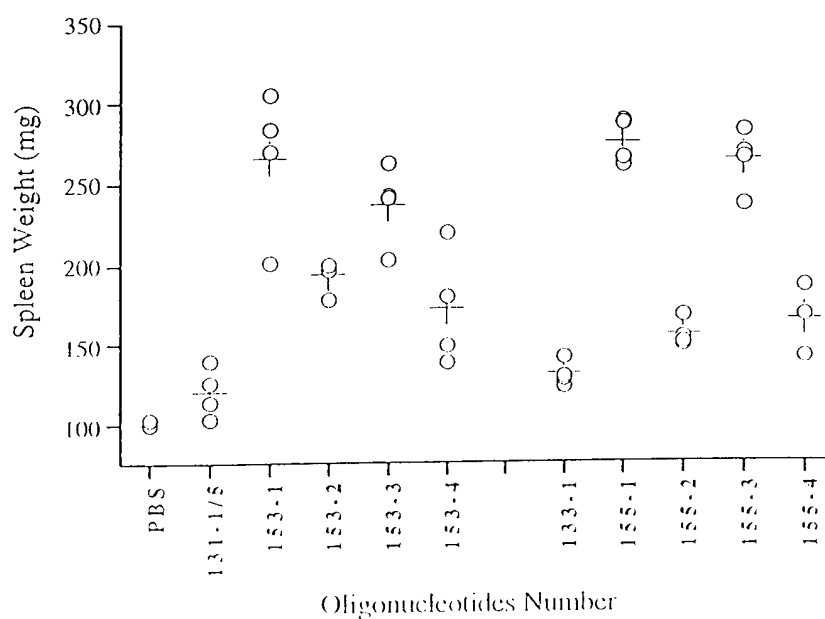
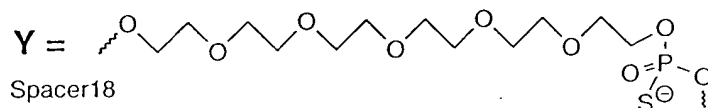
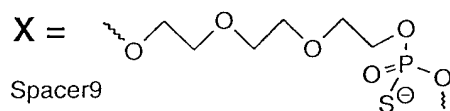


Figure 9 Oligodeoxynucleotides Phosphorothioate and Site of Modification

| Oligo No. | Sequence & Modification |
|-----------|-----------------------------------|
| 1 | 5'-CTATCTGACGTTCTCTGT-3' (131-1) |
| 2 | 5'-CTATCTGXCGTTCTCTGT-3' (157-1) |
| 3 | 5'-CTATCTXACGTTCTCTGT-3' (157-2) |
| 4 | 5'-CTAXCTGACGTTCTCTGT-3' (157-3) |
| 5 | 5'-CTATCTGACGTXCTCTGT-3' (157-4) |
| 6 | 5'-CTATCTGACGTTCTXCTGT-3' (157-5) |

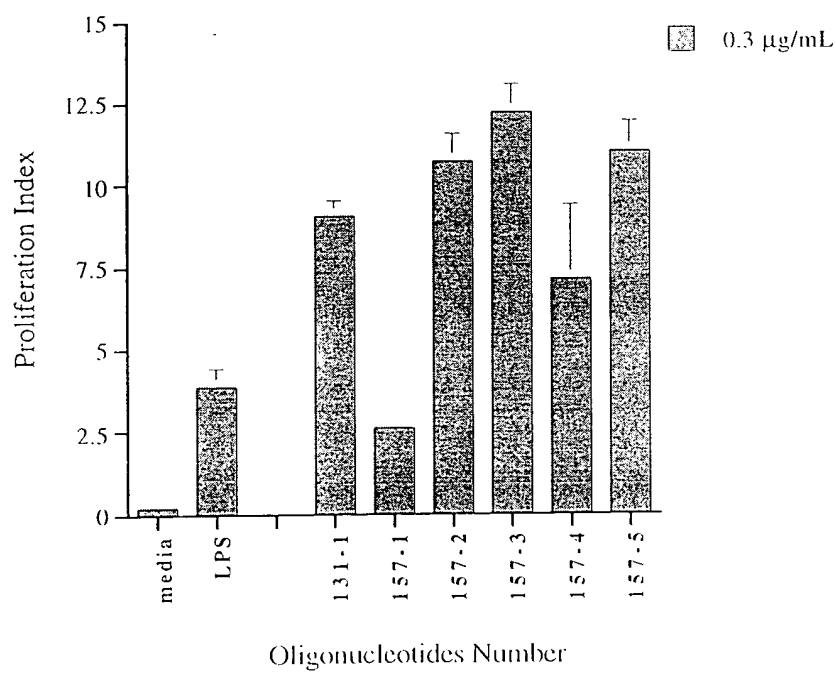
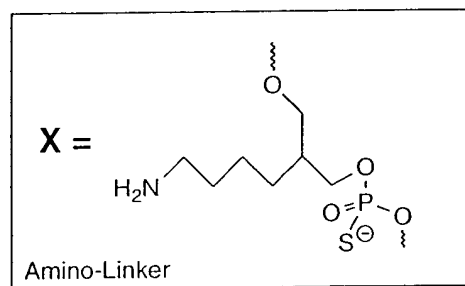


Figure 10 Oligodeoxynucleotides Phosphorothioate and Site of Modification

| Oligo No. | Sequence & Modification |
|-----------|----------------------------------|
| 1 | 5'-CTATCTGACGTTCTCTGT-3' (131-1) |
| 2 | 5'-CTATCTGXCGTTCTCTGT-3' (157-1) |
| 3 | 5'-CTATCTXACGTTCTCTGT-3' (157-2) |
| 4 | 5'-CTAXCTGACGTTCTCTGT-3' (157-3) |
| 5 | 5'-CTATCTGACGTXCTCTGT-3' (157-4) |
| 6 | 5'-CTATCTGACGTTCTCTGT-3' (157-5) |

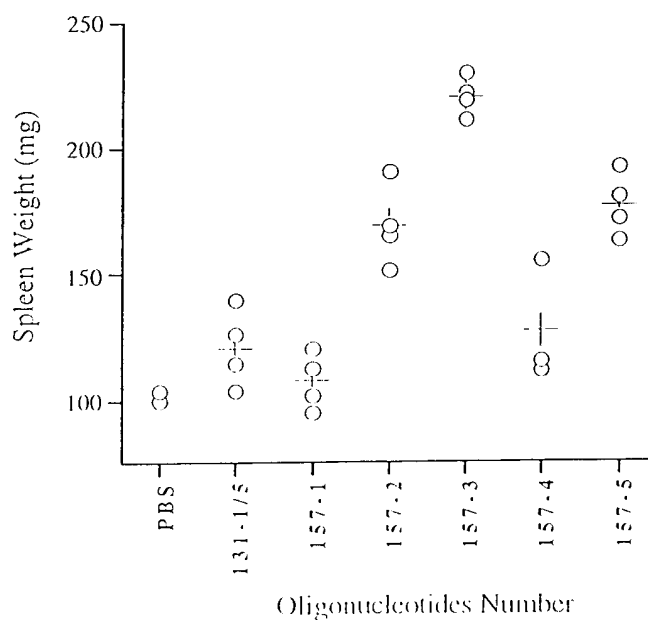
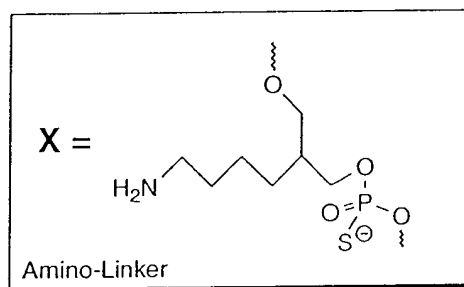
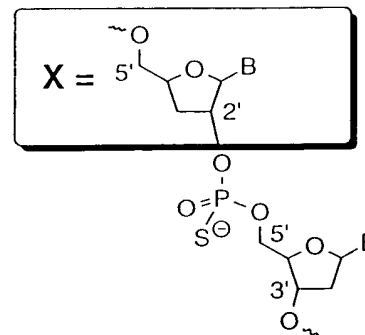


Figure 11 Oligodeoxynucleotide Phosphorothioates and Modification of Linkages

| Oligo No. | Sequence & Modification |
|-----------|--------------------------|
| 131-1 | 5'-CTATCTGACGTTCTCTGT-3' |
| 159-1 | 5'-CTATCTGACXTTCTCTGT-3' |
| 159-2 | 5'-CTATCTGAXGTTCTCTGT-3' |
| 159-3 | 5'-CTATXTGACGTTCTCTGT-3' |
| 159-4 | 5'-CTATCTGACGTTCTXTGT-3' |
| 133-1 | 5'-CCTACTAGCGTTCTCATC-3' |
| 161-1 | 5'-CCTACTAGCXTTCTCATC-3' |
| 161-2 | 5'-CCTACTAGXGTTCTCATC-3' |
| 161-3 | 5'-CCTACTAXCGTTCTCATC-3' |
| 161-4 | 5'-CCTAXTAGCGTTCTCATC-3' |
| 161-5 | 5'-CCTACTAGCGTTCTXATC-3' |



3'-Deoxynucleoside

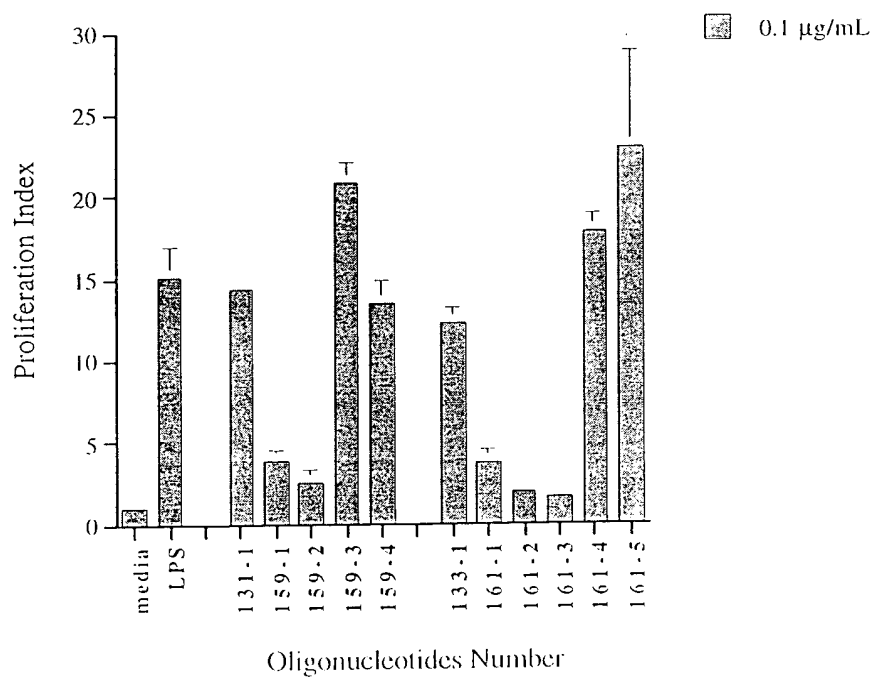
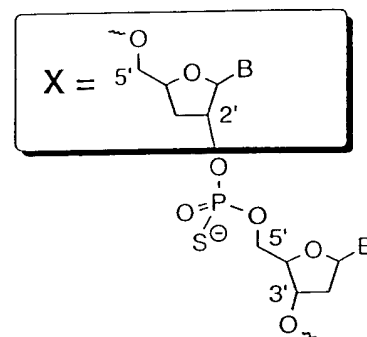


Figure 12 Oligodeoxynucleotide Phosphorothioates and Modification of Linkages

| Oligo No. | Sequence & Modification |
|-----------|--------------------------|
| 131-1 | 5'-CTATCTGACGTTCTCTGT-3' |
| 159-1 | 5'-CTATCTGACXTTCTCTGT-3' |
| 159-2 | 5'-CTATCTGAXGTTCTCTGT-3' |
| 159-3 | 5'-CTATXTGACGTTCTCTGT-3' |
| 159-4 | 5'-CTATCTGACGTTCTXTGT-3' |
| 133-1 | 5'-CCTACTAGCGTTCTCATC-3' |
| 161-1 | 5'-CCTACTAGCXTTCTCATC-3' |
| 161-2 | 5'-CCTACTAGXGTTCTCATC-3' |
| 161-3 | 5'-CCTACTAXCGTTCTCATC-3' |
| 161-4 | 5'-CCTAXTAGCGTTCTCATC-3' |
| 161-5 | 5'-CCTACTAGCGTTCTXATC-3' |



3'-Deoxynucleoside

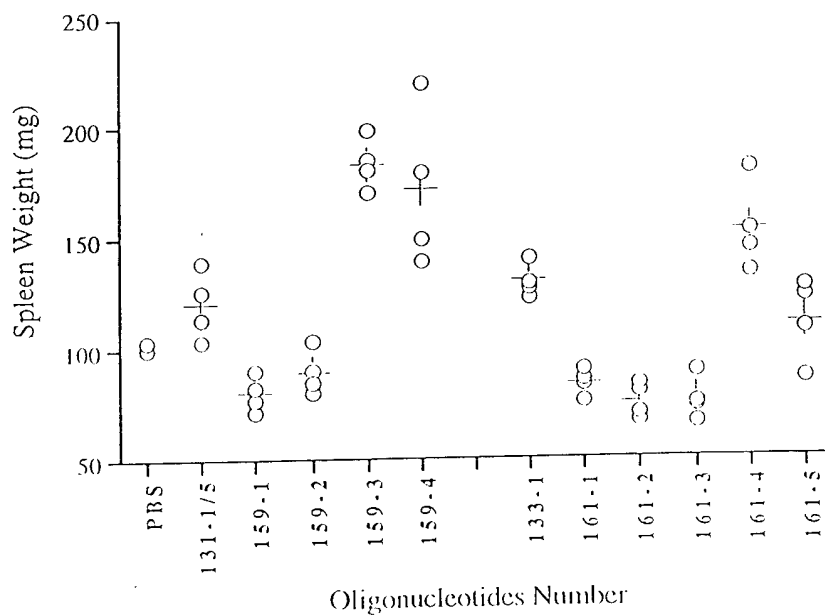
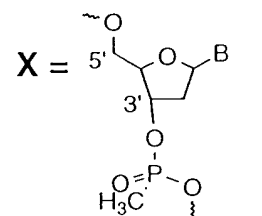


Figure 13 Oligodeoxynucleotide Phosphorothioates and Modification of Linkages

| Oligo No. | Sequence & Modification |
|-----------|---------------------------|
| 131-1 | 5'-CTATCTGACGTTCTCTGT-3' |
| 167-1 | 5'-CTATCTGXCGTTCTCTGT-3' |
| 167-2 | 5'-CTATCTXACGTTCTCTGT-3' |
| 167-3 | 5'-CTATCXGACGTTCTCTGT-3' |
| 167-4 | 5'-CTATXTGACGTTCTCTGT-3' |
| 167-5 | 5'-CTAXCTGACGTTCTCTGT-3' |
| 167-6 | 5'-CTXXCTGACGTTCTCTGT-3' |
| 167-7 | 5'-CTATCTGACGXTCTCTGT-3' |
| 167-8 | 5'-CTATCTGACGTXTCTCTGT-3' |
| 167-9 | 5'-CTATCTGACGTTXTCTGT-3' |
| 167-10 | 5'-CTATCTGACGTTCTCTGT-3' |
| 167-11 | 5'-CTATCTGACGTTCTCTGT-3' |
| 167-12 | 5'-CTATCTGACGTTCTCTGT-3' |



Methyl-phosphonate

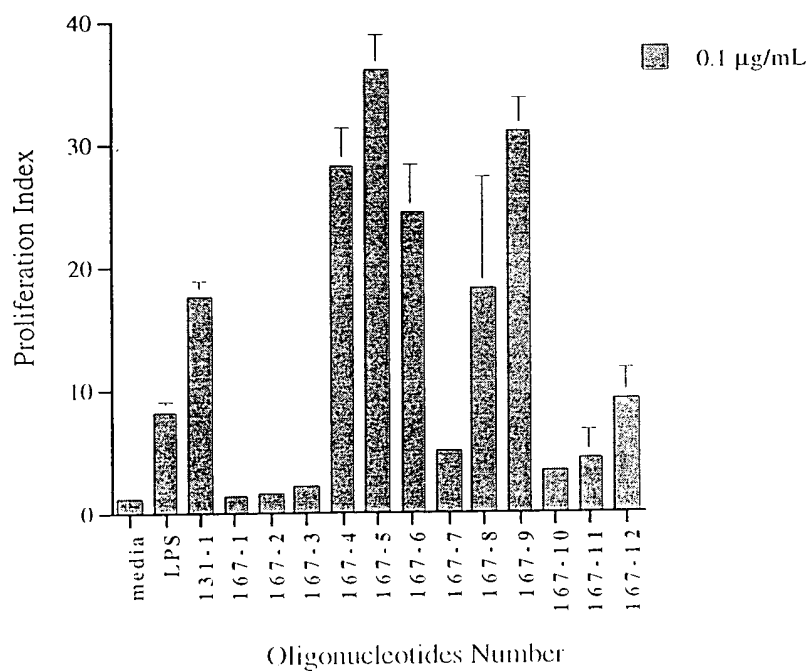


Figure 14 Oligodeoxynucleotide Phosphorothioates and Modification of Linkages

| Oligo No. | Sequence & Modification |
|-----------|--------------------------|
| 131-1 | 5'-CTATCTGACGTTCTCTGT-3' |
| 167-1 | 5'-CTATCTGXCGTTCTCTGT-3' |
| 167-2 | 5'-CTATCTXACGTTCTCTGT-3' |
| 167-3 | 5'-CTATCXGACGTTCTCTGT-3' |
| 167-4 | 5'-CTATXTGACGTTCTCTGT-3' |
| 167-5 | 5'-CTAXCTGACGTTCTCTGT-3' |
| 167-6 | 5'-CTXXCTGACGTTCTCTGT-3' |
| 167-7 | 5'-CTATCTGACGXTCTCTGT-3' |
| 167-8 | 5'-CTATCTGACGTXCTCTGT-3' |
| 167-9 | 5'-CTATCTGACGTTXTCTGT-3' |
| 167-10 | 5'-CTATCTGACGTTCXCTGT-3' |
| 167-11 | 5'-CTATCTGACGTTCTXTGT-3' |
| 167-12 | 5'-CTATCTGACGTTCTXXGT-3' |

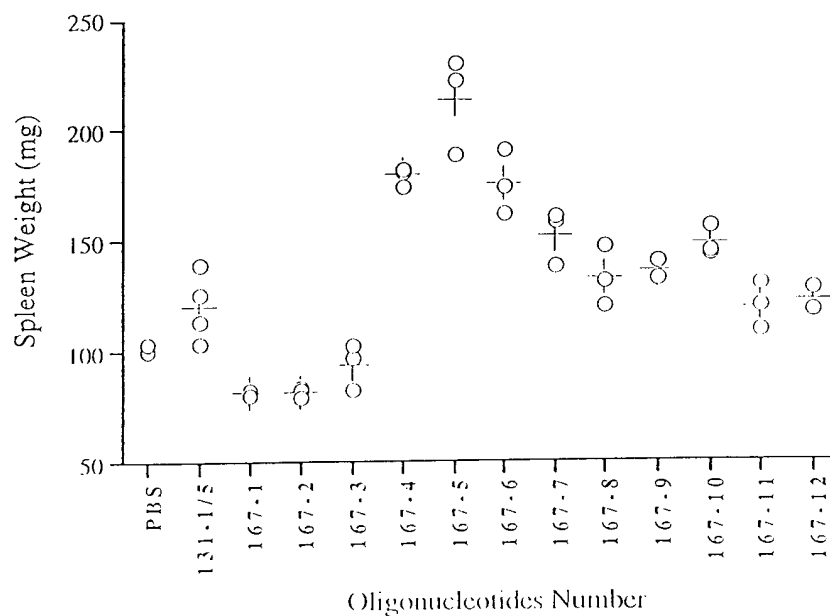
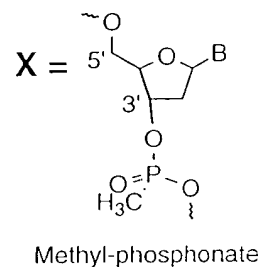
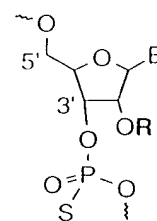
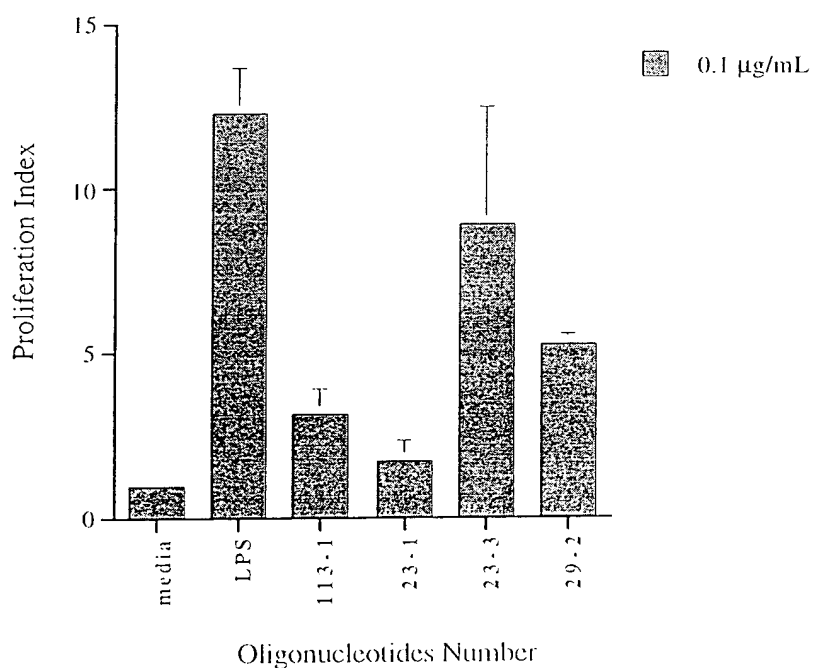


Figure 15 Oligodeoxynucleotide Phosphorothioates and Modification of Linkages

| Oligo No. | Sequence & Modification |
|-----------|----------------------------|
| 113-1 | 5'-TCCATGACGTTTCCTGATGC-3' |
| 23-1 | 5'-TCCATGXCGTTCCTGATGC-3' |
| 23-3 | 5'-TCCAXGACGTTTCCTGATGC-3' |
| 29-2 | 5'-TYATGACGGTCCTGATGC-3' |



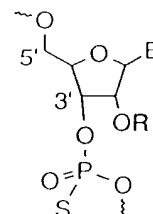
R_x = 2'-O-Methylribonucleoside
R_y = 2'-O-Methoxyethylribonucleoside



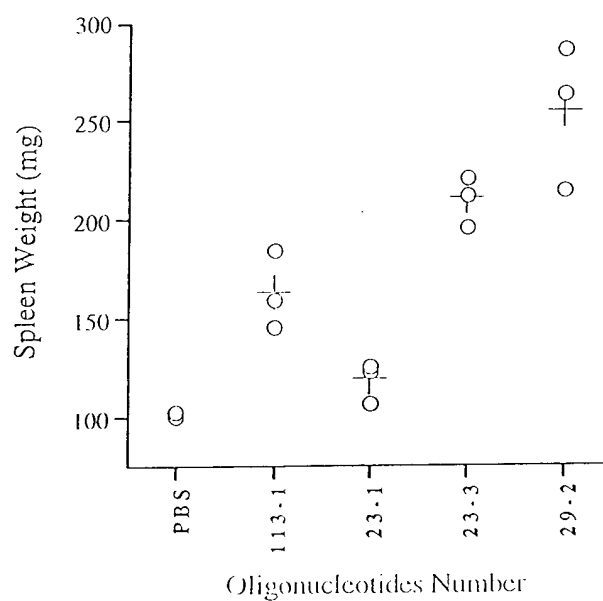
709250-375960

Figure 16 Oligodeoxynucleotide Phosphorothioates and Modification of Linkages

| Oligo No. | Sequence & Modification |
|-----------|----------------------------|
| 113-1 | 5'-TCCATGACGTTTCCTGATGC-3' |
| 23-1 | 5'-TCCATGXCGTTCCTGATGC-3' |
| 23-3 | 5'-TCCAXGACGTTTCCTGATGC-3' |
| 29-2 | 5'-TYyatGACGGTCCTGATGC-3' |



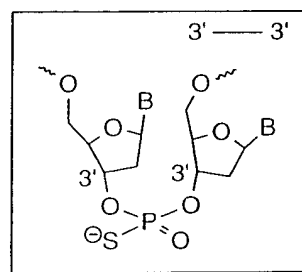
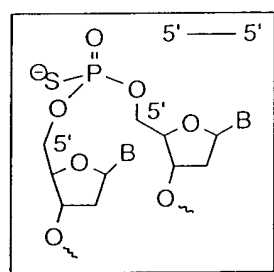
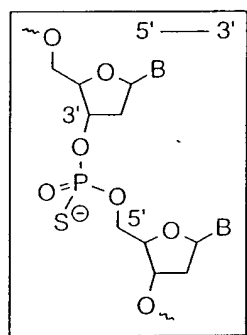
R_x = 2'-O-Methylribonucleoside
R_y = 2'-O-Methoxyethylribonucleoside



1993-03-15 09:00

Figure 17 Oligodeoxynucleotide Phosphorothioates and Modification of Linkages

| Oligo No. | Sequence & Modification |
|-----------|---|
| 1 | 5'-GAGAACGCTCGACCTT-3' |
| 2 | 5'-GAGAACGCTCGACCTT-3' — 5'-GAGAACGCTCGACCTT-3' |
| 3 | 3'-TTCCAGCTCGCAAGAG-5' — 5'-GAGAACGCTCGACCTT-3' |
| 4 | 5'-GAGAACGCTCGACCTT-3' — 3'-TTCCAGCTCGCAAGAG-5' |
| 5 | 5'-TCTCCCAGCGTGCGCCAT-3' |
| 6 | 5'-TCCCAGCGTGCGCCAT-3' — 5'-TCCCAGCGTGCGCCAT-3' |
| 7 | 3'-TACCGCGTGCGACCCT-5' — 5'-TCCCAGCGTGCGCCAT-3' |
| 8 | 5'-TCCCAGCGTGCGCCAT-3' — 3'-TACCGCGTGCGACCCT-5' |



→ 5'-3'- direction of CpG motif

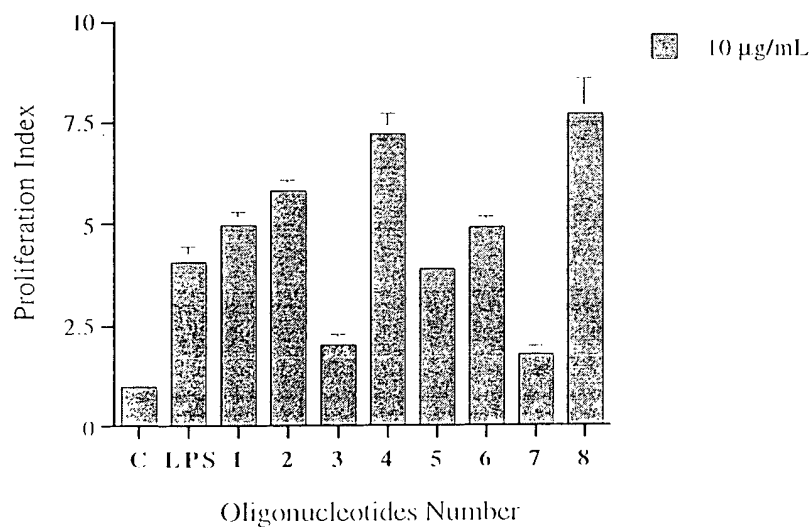


Figure 18 Oligodeoxynucleotide Phosphorothioates and Modification of Linkages

| Oligo No. | Sequence & Modification |
|-----------|---|
| 131-1 | 5'-CTATCTGACGTTCTCTGT-3' |
| 175-1 | 5'-CTATXTGACGTTCTCTGT-3' |
| 175-2 | 5'-CTATCTGACGTTCTCXCTGT-3' |
| 175-3 | 5'-CTAXXTGACGTTCTCTGT-3' |
| 175-4 | 5'-CTATCTGACGTTCTCXXTGT-3' |
| 175-5 | 5'-CTATCTGAXXTTCTCTGT-3' |
| 175-6 | 5'-CTATCTXACGTTCTCTGT-3' |
| 175-7 | 5'-CTATCTGACGTXCTCTGT-3' |
| 175-9 | 5'-CTATCTGACGTTCTCTGT-3' (all-β-L-DNA/PS) |

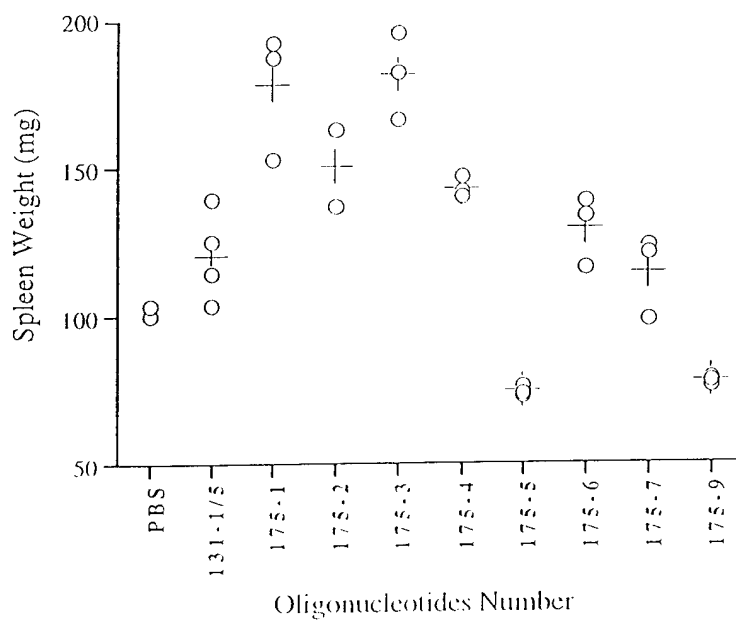
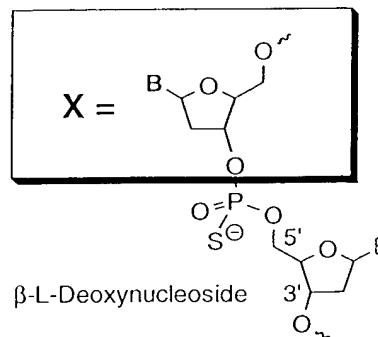
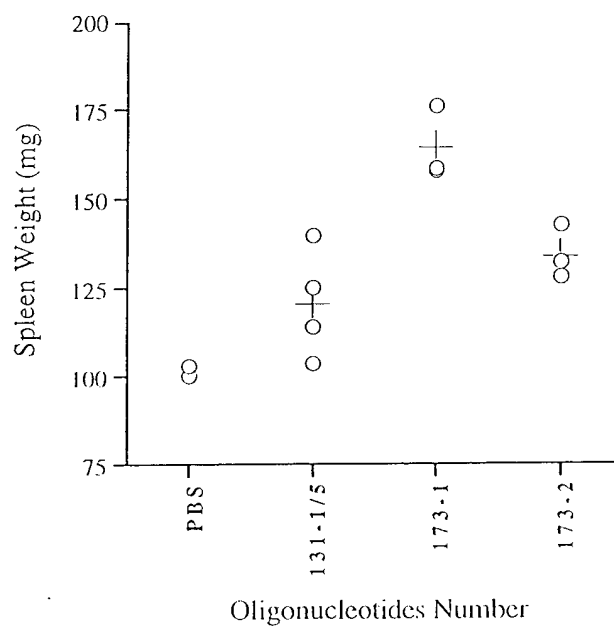


Figure 19 Oligodeoxynucleotide Phosphorothioates and Modification of Linkages

| Oligo No. | Sequence & Modification | |
|-----------|--------------------------|--|
| 131-1 | 5'-CTATCTGACGTTCTCTGT-3' | $ \begin{array}{c} \sim\text{O} \\ \\ 5' \text{---} \text{C} \text{---} \text{O} \text{---} \text{B} \\ \quad \\ 3' \text{---} \text{O} \text{---} \text{O} \text{---} \text{CH}_2 \text{---} \text{C} \equiv \text{CH} \\ \\ \text{O}=\text{P}(=\text{S})\text{---O} \text{---} \text{ } \end{array} $ <p>2'-O-Propargyl-ribonucleoside</p> |
| 173-1 | 5'-CTATXTGACGTTCTCTGT-3' | |
| 173-2 | 5'-CTATCTGACGTTCTXTGT-3' | |



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Figure 20 Oligodeoxynucleotide Phosphorothioates and Modification of Linkages

| Oligo No. | Sequence & Modification |
|-----------|--------------------------|
| 133-1 | 5'-CCTACTAGCGTTCTCATC-3' |
| 143-1 | 5'-CCTXXTAGCGTTCTCATC-3' |
| 143-2 | 5'-CCTYYTAGCGTTCTCATC-3' |
| 143-3 | 5'-CCTZZTAGCGTTCTCATC-3' |
| 143-4 | 5'-CCTXXTAGCGTVCTCATC-3' |
| 143-5 | 5'-CCTACTAGGCTTCTCATC-3' |

X = 1',2'-Dideoxyribose
 Y = C3-Linker
 Z = 3'-OMe
 V = 2'-OMe

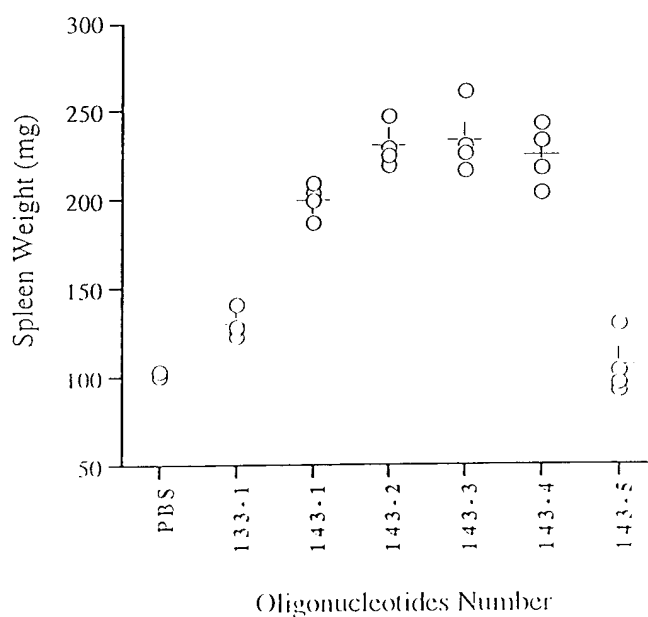


Figure 21 Oligodeoxynucleotide Phosphorothioates and Site of Modification

| Oligo No. | Sequence & Modification |
|-----------|--|
| 1 | 5'-CTATCTGAC <u>GT</u> TTCTCTGT-3' (131-1) |
| 2 | 5'-CTATCTGAC <u>G</u> *TTCTCTGT-3' (E 633L) |
| 3 | 5'-CTATCTGAG* <u>CT</u> TTCTCTGT-3' (E 636) |
| 4 | 5'-TCTCCCAG <u>CG</u> TGCGCCAT-3' |
| 5 | 5'-TCTCCCAG <u>CG</u> *TG <u>CG</u> *CCAT-3' (E 603) |
| 6 | 5'-CTATXTGAC <u>G</u> *TTCTCTGT-3' (E 639L) |

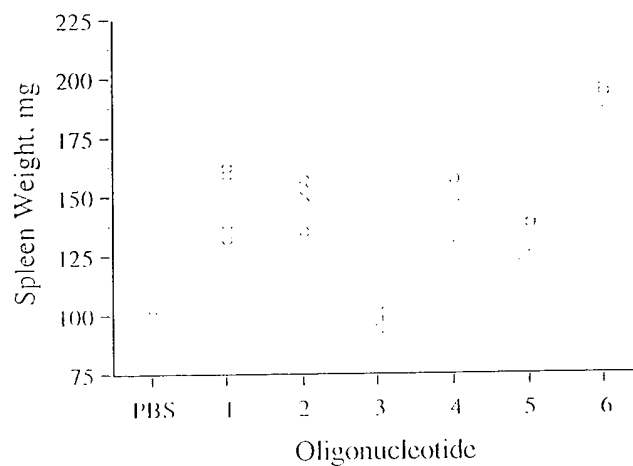
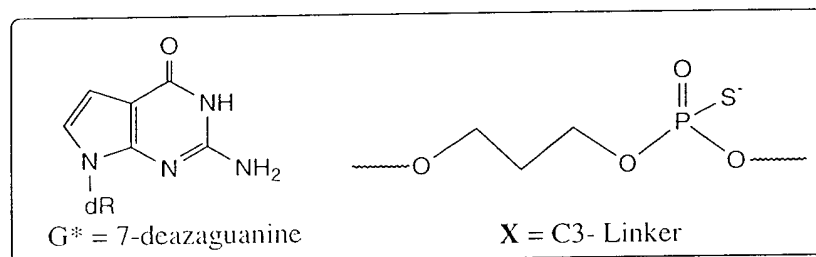
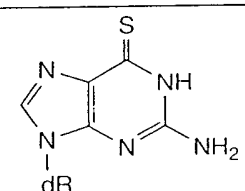


Figure 22 Oligodeoxynucleotide Phosphorothioates and Site of Modification

| Oligo No. | Sequence & Modification |
|-----------|--|
| 1 | 5'-CTATCTGAC <u>CG</u> TTCTCTGT-3' (131-1) |
| 2 | 5'-CTATCTGAC <u>G</u> *TTCTCTGT-3' (E 682) |
| 3 | 5'-CTATCTGAG* <u>CT</u> CTCTGT-3' (E 683) |



G* = 6-thioguanine

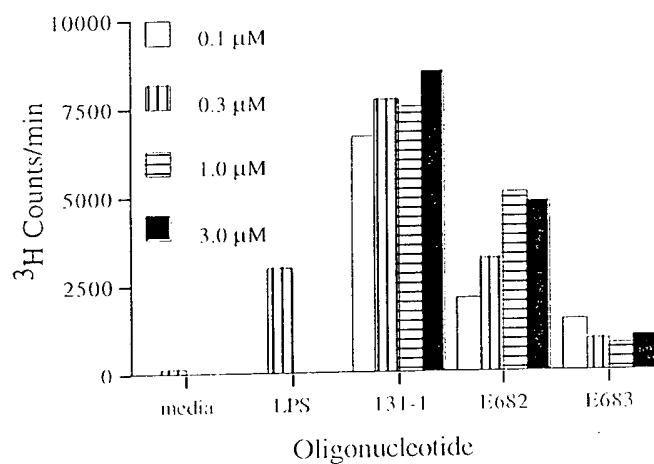
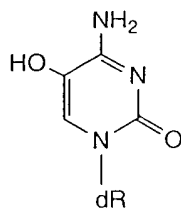
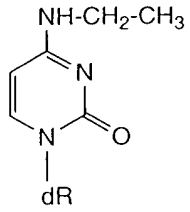


Figure 23 Oligodeoxynucleotide Phosphorothioates and Site of Modification

| Oligo No. | Sequence & Modification |
|-----------|-------------------------------------|
| 1 | 5'-CTATCTGAC <u>G</u> TTCTCTGT-3' |
| 2 | 5'-CTATCTGAC <u>G</u> *TTCTCTGT-3' |
| 3 | 5'-CTATCTGAC <u>C</u> *TTCTCTGT-3' |
| 4 | 5'-CTATCTGAC <u>C</u> **TTCTCTGT-3' |
| 5 | 5'-CTATCTGAC <u>C</u> **TTCTCTGT-3' |



C* = 5-hydroxy-cytosine



C** = N4-ethyl-cytosine

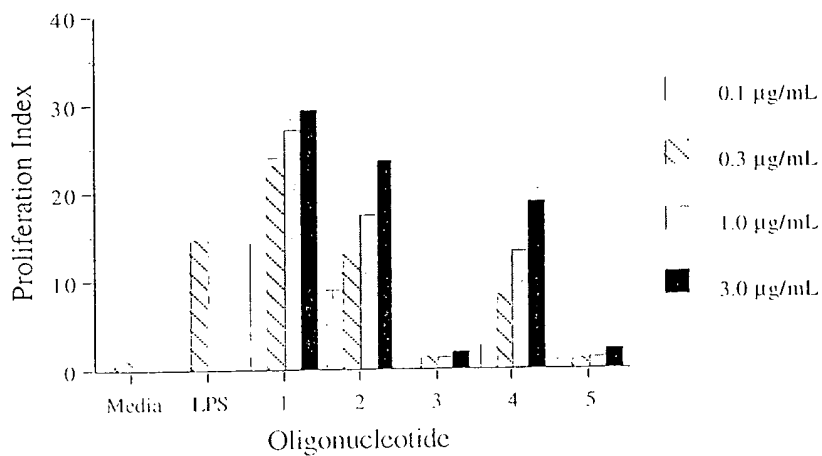
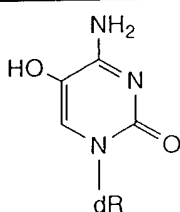
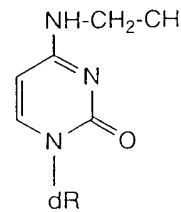


Figure 24 Oligodeoxynucleotide Phosphorothioates and Site of Modification

| Oligo No. | Sequence & Modification |
|-----------|--------------------------------------|
| 1 | 5'-CTATCTGAC <u>CG</u> TTCTCTGT-3' |
| 2 | 5'-CTATCTGAC* <u>G</u> TTCTCTGT-3' |
| 3 | 5'-CTATCTGAC <u>CC</u> *TTCTCTGT-3' |
| 4 | 5'-CTATCTGAC** <u>G</u> TTCTCTGT-3' |
| 5 | 5'-CTATCTGAC <u>CC</u> **TTCTCTGT-3' |





C* = 5-hydroxy-cytosine C** = N4-ethyl-cytosine

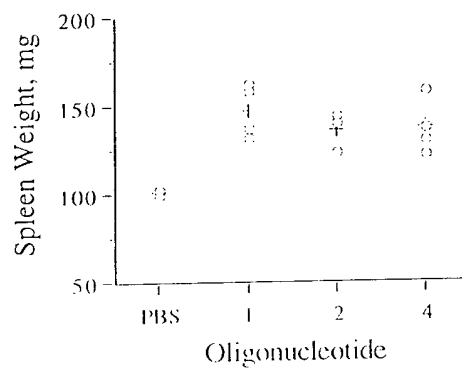


Figure 25 Oligodeoxynucleotide Phosphorothioates and Site of Modification

| Oligo No. | Sequence & Modification |
|-----------|-------------------------|
|-----------|-------------------------|

- | | |
|---|-------------------------------------|
| 1 | 5'-CTATCTGAC <u>CG</u> TTCTCTGT-3' |
| 2 | 5'-CTATCTGAC* <u>G</u> TTCTCTGT-3' |
| 3 | 5'-CTATCTGAC <u>CC</u> *TTCTCTGT-3' |

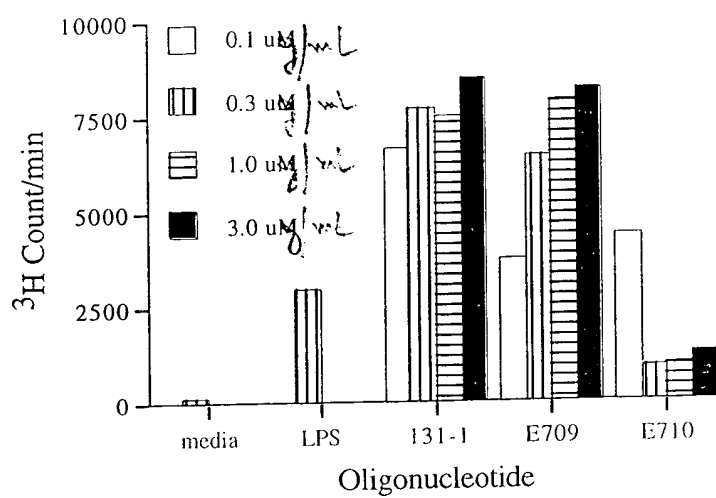
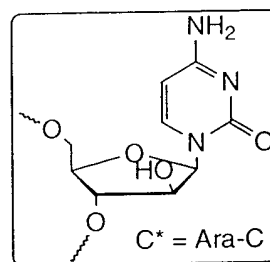
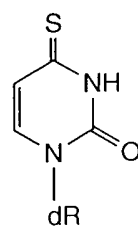


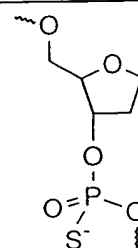
Figure 26 Oligodeoxynucleotide Phosphorothioates and Site of Modification

Oligo No. Sequence & Modification

- 1 5'-CTATCTGACGTTCTCTGT-3' (131-1)
- 2 5'-CTATCTGAC*GTTCTCTGT-3' (E 647)
- 3 5'-CTATXTGAC*GTTCTCTGT-3' (E 653)



C* = 4-Thiouracil



X = 1,2-Dideoxyribose

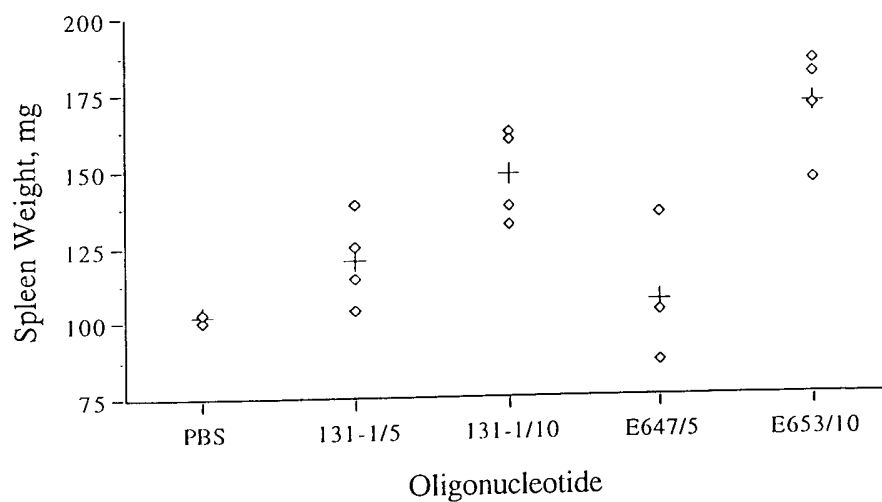


Figure 27

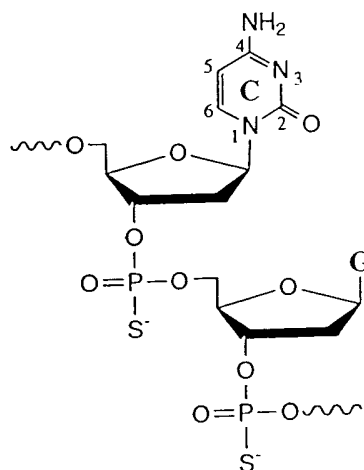


Figure 28

